

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

900 SOUTH FREMONT AVENUE ALHAMBRA, CALIFORNIA 91803-1331 Telephone: (626) 458-5100 http://dpw.lacounty.gov

ADDRESS ALL CORRESPONDENCE TO: P.O. BOX 1460 ALHAMBRA, CALIFORNIA 91802-1460

IN REPLY PLEASE

REFER TO FILE:

T-6

December 9, 2008

The Honorable Board of Supervisors County of Los Angeles 383 Kenneth Hahn Hall of Administration 500 West Temple Street Los Angeles, CA 90012

Dear Supervisors:

TRAFFIC SIGNAL SYNCHRONIZATION PROGRAM CITY--COUNTY COOPERATIVE AGREEMENTS CITIES OF GLENDORA AND ARCADIA (SUPERVISORIAL DISTRICT 5) (3 VOTES)

SUBJECT

This action is to approve and authorize the Director of Public Works or her designee to execute Cooperative Agreements between the County of Los Angeles and the Cities of Glendora and Arcadia to participate in the County's Traffic Signal Synchronization Program.

IT IS RECOMMENDED THAT YOUR BOARD:

Approve and authorize the Director of Public Works or her designee to execute Cooperative Agreements between the County of Los Angeles and the Cities of Glendora and Arcadia to participate in the County's Traffic Signal Synchronization Program. The agreement describes the roles and responsibilities of each city and the County in carrying out traffic signal synchronization projects on the stated arterials.

The Honorable Board of Supervisors December 9, 2008 Page 2

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

The purpose of the recommended action is to formalize the roles and responsibilities associated with the operation of traffic signals upon completion of the Department of Public Works' traffic signal synchronization construction projects. The stated arterials in each agreement cover a combination of completed projects, projects underway, and projects nearly ready to begin.

Implementation of Strategic Plan Goals

The Countywide Strategic Plan directs that we provide Service Excellence (Goal 1) as the clarification of roles and responsibilities for Traffic Signal Synchronization Projects (TSSP) will improve efficiency, quality, and responsiveness of County transportation services to all residents.

FISCAL IMPACT/FINANCING

There will be no impact to the County General Fund.

The agreements describe the roles and responsibilities of each city and the County in carrying out traffic signal synchronization projects on the stated arterials and do not constitute any financial commitment between the Cities and the County. The Cities remain responsible for their jurisdictional portion of the operation and maintenance of the traffic signal systems along each of the arterials.

FACTS AND PROVISIONS/LEGAL REQUIREMENTS

The attached agreements, which have been approved as to form by County Counsel, provide for the County of Los Angeles and the Cities of Glendora and Arcadia to adhere to stated responsibilities involved in TSSP projects.

Since 1988, the Department of Public Works has administered TSSP projects, which have provided a means to coordinate synchronization between arterials of regional significance. TSSP projects improve traffic signal operation by upgrading each traffic signal to Federal and State standards. With each project, we typically install additional vehicle detection to enable each intersection to operate as a fully traffic actuated signalized intersection. In addition, appropriate components are also installed to enable each signal to utilize time-based coordination resulting in the synchronization of a series of signals along an arterial route. These improvements have provided congestion relief and substantially increased mobility through reduced travel times.

The Honorable Board of Supervisors December 9, 2008 Page 3

The intent of each agreement is to document the roles and responsibilities of the respective city and the County when entering into TSSP projects and to confirm the associated liabilities of each agency. Nothing in this agreement will alter the current roles and responsibilities of the County and the city in operating and maintaining the traffic signals and signal systems within their respective jurisdiction. The effective date of the agreements, with respect to the stated arterials, is upon the installation of traffic signal timing for an individual intersection.

ENVIRONMENTAL DOCUMENTATION

In accordance with Section 15378(b)(4) of the California Environmental Quality Act (CEQA) Guidelines, approval of the recommended action does not constitute a project and, hence, is not subject to the requirements of CEQA.

IMPACT ON CURRENT SERVICES (OR PROJECTS)

There will be no impact on current County services or projects during the performance of the recommended services.

CONCLUSION

Please return one adopted copy of this letter to the Department of Public Works, Traffic and Lighting Division. After final approval by our Director of Public Works or her designee, we will provide you with fully executed original copies for your files.

Respectfully submitted,

GAIL FARBER

Director of Public Works

GF:WJW:pc

Attachments (2)

c: Chief Executive Office (Lari Sheehan) County Counsel (Warren Wellen)

AGREEMENT

This AGREEMENT, made and entered into by and between the CITY OF Glendora, a municipal corporation in the County of Los Angeles, hereinafter referred to as CITY, and the COUNTY OF LOS ANGELES, a political subdivision of the State of California, hereinafter referred to as COUNTY:

WITNESSETH

WHEREAS, Route 66 from Barranca Avenue to Amelia Avenue, Lone Hill Avenue from Route 66 to Gladstone Street, Barranca Avenue from Mauna Loa Avenue to Arrow Highway, Grand Avenue from Mauna Loa Avenue to Arrow Highway, and Arrow Highway from Barranca Street to Valley Center Avenue, hereinafter referred to as ARTERIALS, are roadways that are a part of the County's Traffic Signal Synchronization Program (hereinafter referred to as TSSP); and

WHEREAS, CITY and COUNTY are each responsible for their jurisdictional portion of the operation and maintenance of the traffic signals and signal systems along each of the ARTERIALS;

WHEREAS, CITY and COUNTY have previously cooperated, in carrying out traffic signal synchronization projects on ARTERIALS; and

WHEREAS, COUNTY and CITY desire to memorialize their understanding regarding their relative rights, obligations, and duties with respect to the TSSP.

NOW, THEREFORE, in consideration of the mutual benefits to be derived by CITY and COUNTY and of the promises herein contained, it is hereby agreed as follows:

(1) CITY AGREES:

- a. Nothing in this AGREEMENT shall be construed as changing the role of CITY in operating and maintaining the traffic signals within CITY's jurisdiction.
- b. To be responsible for maintaining the basic traffic signal timing for the intersections within the jurisdictional boundary of CITY.
- c. To maintain the traffic signal coordination timing along ARTERIALS to promote coordinated traffic operations, multi jurisdictional cooperation and improve arterial traffic conditions and to make the COUNTY aware of any changes implemented to the coordination timing that may impact the coordination of the traffic signals along the ARTERIALS.
- d. To accept full and complete ownership of, responsibility for, and to maintain in good condition and at CITY expense all improvements constructed

through individual TSSP Projects within CITY'S JURISDICTION, including the timing of traffic signals on ARTERIALS that supports coordination timing and optimum synchronization of traffic signals on ARTERIALS.

e. To cooperate with COUNTY and provide requested information in a reasonable and timely fashion in connection with COUNTY'S preparation of an annual report for the MTA as referred to in Paragraph (2)c. below.

(2) COUNTY AGREES:

- a. Nothing in this AGREEMENT shall be construed as changing the role of COUNTY in operating and maintaining the traffic signals and signal systems within CITY'S jurisdiction.
- b. As a part of construction of individual TSSP Projects, to develop and implement the traffic signal coordination timing along the ARTERIALS that will improve arterial traffic conditions and traffic flow thereby saving motorists time and improving air quality.
- c. To file routine reports with the MTA on the efficiency of these Traffic Signal Synchronization Projects by compiling an operational status from individual cities along the ARTERIALS.

(3) IT IS MUTUALLY UNDERSTOOD AND AGREED AS FOLLOWS:

- a. This AGREEMENT does not constitute any financial commitment between the CITY and COUNTY.
- b. The term of this AGREEMENT shall commence on the date it is approved by the Board of Supervisors and shall continue until any party terminates it upon thirty (30) days prior written notice.
- c. Any correspondence, communication, or contact concerning this AGREEMENT shall be directed to the following:

CITY:

Mr. David A. Davies Director of Public Works

City of Glendora, Department of Public Works

116 E. Foothill Blvd. Glendora, CA 91741

COUNTY:

Mr. William Winter

Assistant Deputy Director Traffic and Lighting Division

County of Los Angeles, Department of Public Works

P.O. Box 1460

Alhambra, CA 91802-1460

- d. Neither COUNTY nor any officer or employee of COUNTY shall be responsible for any damage or liability occurring by reason of any act or omission on the part of CITY under or in connection with any work, authority, or jurisdiction delegated to, assumed by, or determined to be the responsibility of CITY under this AGREEMENT. It is also understood and agreed that, pursuant to Government Code, Section 895.4, CITY shall fully indemnify, defend, and hold COUNTY harmless from any liability imposed for injury (as defined by Government Code, Section 810.8) occurring by reason of any act or omission on the part of CITY under or in connection with any work, authority, or jurisdiction delegated to or determined to be the responsibility of CITY under this AGREEMENT.
- e. Neither CITY nor any officer or employee of CITY shall be responsible for any damage or liability occurring by reason of any act or omission on the part of COUNTY under or in connection with any work, authority, or jurisdiction delegated to or determined to be the responsibility of COUNTY under this AGREEMENT. It is also understood and agreed that, pursuant to Government Code, Section 895.4, COUNTY shall fully indemnify, defend, and hold CITY harmless from any liability imposed for injury (as defined by Government Code, Section 810.8) occurring by reason of any act or omission on the part of COUNTY under or in connection with any work, authority, or jurisdiction delegated to or determined to be the responsibility of COUNTY under this AGREEMENT.

//

II

//

IN WITNESS WHEREOF, the parties hereto have caused this AGREEMENT to be executed by their respective officers, duly authorized, by the CITY OF GLENDORA on, 2008, and by the COUNTY OF LOS ANGELES on, 2008.		
ATTEST:	COUNTY OF LOS ANGELES	
	By Director of Public Works	
	Director of 1 abile vvoiks	
APPROVED AS TO FORM:		
RAYMOND G. FORTNER, JR. County Counsel By Deputy		
By Cur Karen K. Davis, Mayor		
ATTEST:		
By Jathhan Sinnar Kathleen R. Sessman, City Clerk		

AGREEMENT

This AGREEMENT, made and entered into by and between the CITY OF ARCADIA, a municipal corporation in the County of Los Angeles hereinafter referred to as CITY, and the COUNTY OF LOS ANGELES, a political subdivision of the State of California (hereinafter referred to as COUNTY):

WITNESSETH

WHEREAS, COUNTY recently completed a traffic signal controller upgrade project, which included installing new traffic signal timing using the COUNTY's LACO-1R traffic signal controller firmware, at the locations indicated in Attachment A as Controller Upgrade locations:

WHEREAS, CITY recently installed a central traffic control system called Transuite for the purpose of monitoring and controlling their traffic signals from a remote location;

WHEREAS, COUNTY assisted CITY with the installation of Transuite by changing the traffic signal timing from the COUNTY's LACO-1R traffic signal controller firmware to the COUNTY's LACO-4E traffic signal controller firmware at the locations indicated in Attachment A as LACO-4E Intersections;

WHEREAS, CITY is responsible for the operation and maintenance of the traffic signals and signal systems for the intersections indicated in Attachment A;

WHEREAS, COUNTY and CITY desire to memorialize their understanding regarding their relative rights, obligations, and duties with respect to traffic signal timing.

WHEREAS, basic traffic signal timing involves the timing parameters for the general operation of a traffic signal, which typically include, but is not limited to, defining the phases, attributes and timing values for each permitted phase, pedestrian movement, and assigning detection;

WHEREAS, coordination traffic signal timing involves the timing parameters that allow multiple traffic signals to be synchronized with each other, which typically include defining coordination cycle lengths, offsets and time of day operations for each traffic signal coordination plan: and,

NOW, THEREFORE, in consideration of the mutual benefits to be derived by CITY and COUNTY and of the promises herein contained, it is hereby agreed as follows:

(1) CITY AGREES:

a. Nothing in this AGREEMENT shall be construed as changing the role of CITY in operating and maintaining the traffic signals listed in Attachment A.

- b. To be responsible for maintaining the basic traffic signal timing for the intersections listed in Attachment A.
- c. To maintain the traffic signal coordination timing for the intersections indicated in Attachment A to promote coordinated traffic operations and multi-jurisdictional cooperation, improve arterial traffic conditions.
- d. To make the COUNTY aware of any changes implemented <u>concerning</u> the coordination timing that may impact the coordination of these traffic signals.
- e. At CITY expense, to accept full and complete ownership of, responsibility for, and maintenance of, all traffic signal improvement projects constructed within CITY's jurisdictional boundaries, including the timing of traffic signals for the intersections shown in Attachment A that supports coordination timing and optimum synchronization of traffic signals.

(2) COUNTY AGREES:

- a. Nothing in this AGREEMENT shall be construed as changing the role of COUNTY in operating and maintaining the traffic signals and signal systems listed in Attachment A.
- b. As a part of improvements to intersections as described in Attachment A, to develop and implement the traffic signal coordination timing for these locations to improve arterial traffic conditions and traffic flow thereby saving motorists time and improving air quality.

(3) IT IS MUTUALLY UNDERSTOOD AND AGREED AS FOLLOWS:

- a. This AGREEMENT does not constitute any financial commitment between the CITY and COUNTY.
- b. The term of this AGREEMENT shall commence on the date it is approved by the Board of Supervisors and shall continue until any party terminates it upon thirty (30) calendar days prior written notice.
- c. Any correspondence, communication, or contact concerning this AGREEMENT shall be directed to the following:

CITY:

Mr. Patrick Malloy

Director of Public Works

City of Arcadia

240 West Huntington Drive

Arcadia, CA 91007

COUNTY:

Mr. William J. Winter Assistant Deputy Director Traffic and Lighting Division

County of Los Angeles, Department of Public Works

P.O. Box 1460

Alhambra, CA 91802-1460

- d. Neither COUNTY nor any officer or employee of COUNTY shall be responsible for any damage or liability occurring by reason of any act or omission on the part of CITY under or in connection with any work, authority, or jurisdiction delegated to, assumed by, or determined to be the responsibility of CITY under this AGREEMENT. It is also understood and agreed that, pursuant to Government Code, Section 895.4, CITY shall fully indemnify, defend, and hold COUNTY harmless from any liability for injury (as defined by Government Code Section 810.8) occurring by reason of any act or omission on the part of CITY under or in connection with any work, authority, or jurisdiction delegated to or determined to be the responsibility of CITY under this AGREEMENT.
- e. Neither CITY nor any officer or employee of CITY shall be responsible for any damage or liability occurring by reason of any act or omission on the part of COUNTY under or in connection with any work, authority, or jurisdiction delegated to or determined to be the responsibility of COUNTY under this AGREEMENT. It is also understood and agreed that, pursuant to Government Code, Section 895.4, COUNTY shall fully indemnify, defend, and hold CITY harmless from any liability for injury (as defined by Government Code, Section 810.8) occurring by reason of any act or omission on the part of COUNTY under or in connection with any work, authority, or jurisdiction delegated to or determined to be the responsibility of COUNTY under this AGREEMENT.

// II//

//

// //

// //

// //

AGREEMENT to be executed by the	the parties hereto have caused this ir respective officers, duly authorized, by the 08, and by the COUNTY OF LOS ANGELES on
	COUNTY OF LOS ANGELES
	ByActing Director of Public Works
APPROVED AS TO FORM:	
RAYMOND G. FORTNER, JR. County Counsel	
By Deputy	
CITY OF ARCADIA	
By City Manager	
ATTEST:	
ByCity Clerk	
By City Attorney	

Controller Upgrade Locations

- Huntington Drive @ Michillinda Avenue
- 2. Huntington Drive @ Sunset Boulevard
- 3. Huntington Drive @ Golden West Avenue
- 4. Huntington Drive @ Baldwin Avenue
- 5. Huntington Drive @ Gate 1
- 6. Huntington Drive @ La Cadena Avenue
- 7. Huntington Drive @ Holly Avenue
- 8. Huntington Drive @ Colorado Place
- 9. Huntington Drive @ Santa Clara Street
- 10. Huntington Drive @ First Avenue
- 11. Huntington Drive @ Second Avenue
- 12. Huntington Drive @ Fifth Avenue
- 13. Huntington Drive @ Gateway Drive
- 14. Huntington Drive @ Santa Anita Avenue
- 15. Foothill Boulevard @ First Avenue
- 16. Foothill Boulevard @ Second Avenue
- 17. Baldwin Avenue @ Foothill Boulevard
- 18. Baldwin Avenue @ Gate 7/Arboretum
- 19. Baldwin Avenue @ Gate 8/Driveway
- 20. Baldwin Avenue @ Fashion Park Driveway #1
- 21. Baldwin Avenue @ Fashion Park
 Driveway #2
- 22. Baldwin Avenue @ Fairview Avenue
- 23. Baldwin Avenue @ Duarte Road
- 24. Baldwin Avenue @ Naomi Avenue
- 25. Baldwin Avenue @ Camino Real Avenue
- 26. Baldwin Avenue @ Longden Avenue
- 27. Baldwin Avenue @ Las Tunas Drive
- 28. Baldwin Avenue @ Live Oak Avenue
- 29. Santa Anita Avenue @ Foothill Boulevard
- 30. Santa Anita Avenue @ Santa Clara Street

- 31. Santa Anita Avenue @ Diamond Street
- 32. Santa Anita Avenue @ Campus Drive
- 33. Santa Anita Avenue @ Duarte Road
- 34. Santa Anita Avenue @ Camino Real Avenue
- 35. Santa Anita Avenue @ Wistaria Avenue
- 36. Santa Anita Avenue @ Longden Avenue
- 37. Santa Anita Avenue @ Live Oak Avenue
- 38. Santa Anita Avenue @ Colorado Boulevard
- 39. Duarte Road @ Golden West Avenue
- 40. Duarte Road @ Holly Avenue
- 41. Duarte Road @ El Monte Avenue
- 42. Duarte Road @ First Avenue
- 43. Duarte Road @ Second Avenue
- 44. Las Tunas Drive @ Holly Avenue
- 45. Las Tunas Drive @ Warren Way
- 46. Las Tunas Drive @ El Monte Avenue
- 47. Las Tunas Drive @ Live Oak Avenue
- 48. Live Oak Avenue @ Myrtus Avenue/Greenfield Avenue
- 49. Live Oak Avenue @ Second Avenue/Tyler Avenue
- 50. Live Oak Avenue @ Sixth Avenue/Hempstead Avenue

LACO4 Intersections

- 1. Huntington Drive @ Baldwin Avenue
- 2. Huntington Drive @ Gate 1
- 3. Huntington Drive @ La Cadena Avenue
- 4. Huntington Drive @ Holly Avenue
- 5. Huntington Drive @ Santa Clara Street
- 6. Huntington Drive @ Colorado Place
- 7. Huntington Drive @ Second Avenue
- 8. Huntington Drive @ Gateway Drive
- 9. Huntington Drive @ First Avenue
- 10. Baldwin Avenue @ Gate 8
- 11. Baldwin Avenue @ Fashion Park #1
- 12. Baldwin Avenue @ Fashion Park #2
- 13. Baldwin Avenue @ Fairview Avenue
- 14. Baldwin Avenue @ Duarte Road
- 15. Baldwin Avenue @ Naomi Avenue
- 16. Baldwin Avenue @ Camino Real Avenue
- 17. Baldwin Avenue @ Longden Avenue
- 18. Santa Anita Avenue @ Colorado Boulevard
- 19. Santa Anita Avenue @ Santa Clara Street
- 20. Santa Anita Avenue @ Huntington Drive
- 21. Santa Anita Avenue @ Diamond Street
- 22. Santa Anita Avenue @ Campus Drive
- 23. Santa Anita Avenue @ Duarte Road
- 24. Santa Anita Avenue @ Camino Real Avenue
- 25. Santa Anita Avenue @ Wistaria Avenue
- 26. Santa Anita Avenue @ Longden Avenue
- 27. Las Tunas Drive @ Baldwin Avenue
- 28. Las Tunas Drive @ Holly Avenue
- 29. Las Tunas Drive @ Warren Way
- 30. Las Tunas Drive @ El Monte Avenue
- 31. Las Tunas Drive @ Live Oak Avenue
- 32. Live Oak Avenue @ Santa Anita Avenue
- 33. Live Oak Avenue @ Greenfield Avenue/Myrtus Avenue
- 34. Live Oak Avenue @ 2nd Avenue/Tyler Avenue
- 35. Live Oak Avenue @ 6th Avenue/Hempstead Avenue

Controller Upgrade Locations

- Huntington Drive @ Michillinda Avenue
- 2. Huntington Drive @ Sunset Boulevard
- 3. Huntington Drive @ Golden West Avenue
- 4. Huntington Drive @ Baldwin Avenue
- 5. Huntington Drive @ Gate 1
- 6. Huntington Drive @ La Cadena Avenue
- 7. Huntington Drive @ Holly Avenue
- 8. Huntington Drive @ Colorado Place
- 9. Huntington Drive @ Santa Clara Street
- 10. Huntington Drive @ First Avenue
- 11. Huntington Drive @ Second Avenue
- 12. Huntington Drive @ Fifth Avenue
- 13. Huntington Drive @ Gateway Drive
- Huntington Drive @ Santa Anita Avenue
- 15. Foothill Boulevard @ First Avenue
- 16. Foothill Boulevard @ Second Avenue
- 17. Baldwin Avenue @ Foothill Boulevard
- 18. Baldwin Avenue @ Gate 7/Arboretum
- 19. Baldwin Avenue @ Gate 8/Driveway
- 20. Baldwin Avenue @ Fashion Park Driveway #1
- 21. Baldwin Avenue @ Fashion Park Driveway #2
- 22. Baldwin Avenue @ Fairview Avenue
- 23. Baldwin Avenue @ Duarte Road
- 24. Baldwin Avenue @ Naomi Avenue
- 25. Baldwin Avenue @ Camino Real Avenue
- 26. Baldwin Avenue @ Longden Avenue
- 27. Baldwin Avenue @ Las Tunas Drive
- 28. Baldwin Avenue @ Live Oak Avenue
- 29. Santa Anita Avenue @ Foothill Boulevard
- 30. Santa Anita Avenue @ Santa Clara Street

- 31. Santa Anita Avenue @ Diamond Street
- 32. Santa Anita Avenue @ Campus Drive
- 33. Santa Anita Avenue @ Duarte Road
- 34. Santa Anita Avenue @ Camino Real Avenue
- 35. Santa Anita Avenue @ Wistaria Avenue
- 36. Santa Anita Avenue @ Longden Avenue
- 37. Santa Anita Avenue @ Live Oak Avenue
- 38. Santa Anita Avenue @ Colorado Boulevard
- 39. Duarte Road @ Golden West Avenue
- 40. Duarte Road @ Holly Avenue
- 41. Duarte Road @ El Monte Avenue
- 42. Duarte Road @ First Avenue
- 43. Duarte Road @ Second Avenue
- 44. Las Tunas Drive @ Holly Avenue
- 45. Las Tunas Drive @ Warren Way
- 46. Las Tunas Drive @ El Monte Avenue
- 47. Las Tunas Drive @ Live Oak Avenue
- 48. Live Oak Avenue @ Myrtus Avenue/Greenfield Avenue
- 49. Live Oak Avenue @ Second Avenue/Tyler Avenue
- 50. Live Oak Avenue @ Sixth Avenue/Hempstead Avenue

LACO4 Intersections

- 1. Huntington Drive @ Baldwin Avenue
- 2. Huntington Drive @ Gate 1
- 3. Huntington Drive @ La Cadena Avenue
- 4. Huntington Drive @ Holly Avenue
- 5. Huntington Drive @ Santa Clara Street
- 6. Huntington Drive @ Colorado Place
- 7. Huntington Drive @ Second Avenue
- 8. Huntington Drive @ Gateway Drive
- 9. Huntington Drive @ First Avenue
- 10. Baldwin Avenue @ Gate 8
- 11. Baldwin Avenue @ Fashion Park #1
- 12. Baldwin Avenue @ Fashion Park #2
- 13. Baldwin Avenue @ Fairview Avenue
- 14. Baldwin Avenue @ Duarte Road
- 15. Baldwin Avenue @ Naomi Avenue
- 16. Baldwin Avenue @ Camino Real Avenue
- 17. Baldwin Avenue @ Longden Avenue
- 18. Santa Anita Avenue @ Colorado Boulevard
- 19. Santa Anita Avenue @ Santa Clara Street
- 20. Santa Anita Avenue @ Huntington Drive
- 21. Santa Anita Avenue @ Diamond Street
- 22. Santa Anita Avenue @ Campus Drive
- 23. Santa Anita Avenue @ Duarte Road
- 24. Santa Anita Avenue @ Camino Real Avenue
- 25. Santa Anita Avenue @ Wistaria Avenue
- 26. Santa Anita Avenue @ Longden Avenue
- 27. Las Tunas Drive @ Baldwin Avenue
- 28. Las Tunas Drive @ Holly Avenue
- 29. Las Tunas Drive @ Warren Way
- 30. Las Tunas Drive @ El Monte Avenue
- 31. Las Tunas Drive @ Live Oak Avenue
- 32. Live Oak Avenue @ Santa Anita Avenue
- 33. Live Oak Avenue @ Greenfield Avenue/Myrtus Avenue
- 34. Live Oak Avenue @ 2nd Avenue/Tyler Avenue
- 35. Live Oak Avenue @ 6th Avenue/Hempstead Avenue